- 116. The probe of claim 115, further comprising a free phosphate group at the 3'-end.
- 117. The probe of claim 115, further comprising a phosphorothioate group at the 3'-end.
- 118. The probe of claim 115, further comprising a thymidine residue at the 5'-end with a leaving group suitable for ligation.
- 119. The probe of claim 118, wherein the 5' thymidine leaving group is tosylate or iodide.

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